

PS4000 HR-05HHL

Solar Submersible Pump System for 4" wells

System Overview

| | |
|-----------|----------------|
| Head | max. 450 m |
| Flow rate | max. 0,93 m³/h |

Technical Data

Controller PS4000

- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracking)

| | |
|-----------------|-------------|
| Power | max. 4,0 kW |
| Input voltage | max. 375 V |
| Optimum Vmp* | > 238 V |
| Motor current | max. 15 A |
| Efficiency | max. 98 % |
| Ambient temp. | -30...50 °C |
| Enclosure class | IP54 |

Motor ECDRIVE 4000-HR

- Maintenance-free brushless DC motor
- Water filled
- Premium materials, stainless steel: AISI 304/316
- No electronics in the motor

| | |
|------------------|-----------------|
| Rated power | 3,5 kW |
| Efficiency | max. 92 % |
| Motor speed | 900...3.300 rpm |
| Insulation class | F |
| Enclosure class | IP68 |
| Submersion | max. 250 m |

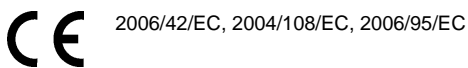
Pump End PE HR-05HHL **

- Non-return valve
- Premium materials, stainless steel: AISI 304/316

Pump Unit PU HR-05HHL (Motor, Pump End)

| | |
|-------------------|-------------|
| Borehole diameter | min. 4,0 in |
| Water temperature | max. 50 °C |

Standards



Meets the requirements of:
IEC/EN 61702:1995,
IEC/EN 62253 Ed.1

The logos shown reflect the approvals that have been granted for this product family. Products are ordered and supplied with the approvals specific to the market requirements.

*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

**Specify temperature range on order

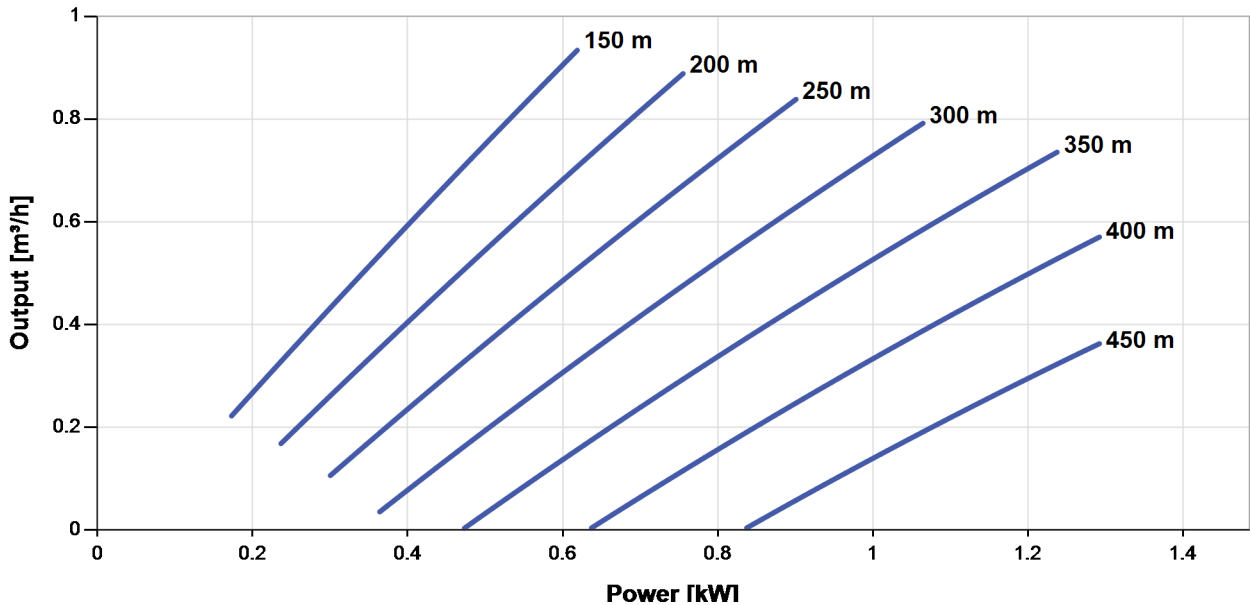


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Pump Chart

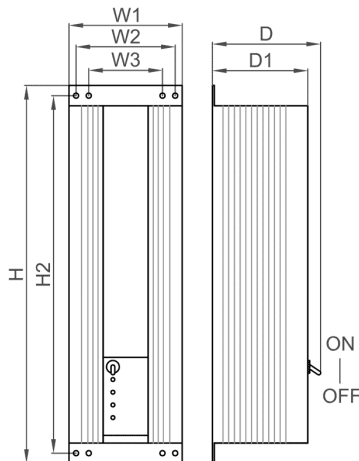
V_{mp}* > 238 V



Dimensions and Weights

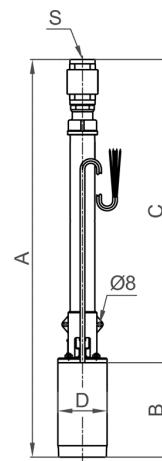
Controller

H = 595 mm
H2 = 563 mm
W1 = 178 mm
W2 = 156 mm
W3 = 116 mm
D = 165 mm
D1 = 150 mm



Pump Unit

A = 939 mm
B = 245 mm
C = 694 mm
D = 96 mm
S = 1,25 in



| | Net weight |
|------------|------------|
| Controller | 9,0 kg |
| Pump Unit | 16 kg |
| Motor | 10 kg |
| Pump End | 5,5 kg |

*V_{mp}: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

